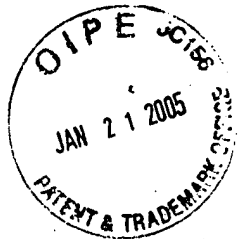




h5HT4B	: GTAATGGACAAACTTGATGCTAATGTGAGTTCTGAGGAGGGTTTCGGGTCAGTGGAGAGGTGGTGGCTGCTCAGCTTTCTCGACGGTTATCTCTGATGGCCATCTTTGGGCAACCTG	: 117
h5HT4B	: CTGGTGATGGTGGCTGTGCTGGACAGGCAGCTCAGGAAATAAAACAAMTATTTCAATTGTATCTTCTGGCTTTTTCGGGATCTGCTGGTTCGGTGATGCCCTTTGGT	: 234
h5HT4B	: GCCATTGAGCTGGTTCAAGACATCTGGATTTATGGGAGGTGTTTTGTCTGTTGCGGACATCTCTGGAGCTCTGCTCACAAGGCATCGATTTTTTTCACCTGTGCTGCATTTCTCTG	: 351
h5HT4B	: GATAGGTATTACGCCCATCTGCTGCCAGGCTTTTGCTCTATAGGAACAAGATGACCCCTCTGGCGCATCGCATTAATGCTGGAGGCTGCTGGGTCTATGCCACGTTTATTTCTTTTCTC	: 468
h5HT4B	: CCTATAATGCAAGGCTGGGAATAACATTGGCATTAATTGATTTGGAAAGGAGTCTTAAACCAGGCCCTGGGCGCAGGATTTTCATGCGATAGAAAGAGGAAGTTCAACCAGAACTCTTAAC	: 585
h5HT4B	: TCTAGTACTGTGTCTTTCATGTGTAACAAGCCCTACGCCATCAGCTGCTGTGTGGTGGCTTCTACATGCCATTTCTCTCATGTGTGGCTATTACCGCATCTATGTACACAGCT	: 702
h5HT4B	: AAGGAGCATGCCCATCAGATCCAGATGTTACAAGGGCAGGAGGCTCTCCGAGAGCAGGCTCAGTGGCAGACCAGCATAGCACTCATCGCATGAGGACAGAGACCAAGCAGCC	: 819
h5HT4B	: AAGACCGTGTGCATCATCATGGTTGCTTCTGGCCTGCTGGCCACCATCTTTGTGCCAATAATTGTGGATGCTTTTCATAGACTACACTGTCCCTGGCAGGTGTGGACTGCTTTC	: 936
h5HT4B	: CTCTGGCTGGCTATATCAAAATTCGGGTTGCAACCCCTTTCTTACGGCTTCTTGAAATAGTCTTTTAGACGTTGCCCTTCTCATCATCTCTGTGTGATGAGCGCTACCGAAGA	: 1053
h5HT4B	: CCTGCCATTCTGGCCAGACTGTCCCTTTGTTCAACCACACCAATTAATGGATCCACATGTACTAAGGGATGCGATGAGGTGTGGTGGCCAGTGGGAGAGTCAGTGTACCCGCCCA	: 1170
h5HT4B	: GCAACTTCTCTTTGGTGGCTGCTCAGCCCAAGTGCAGTTAGGCCCCCTGGGACAAATGACCCAGAGACAGCCATGCCCTCCGAAAGAGGGCCAGGTCCTTAAGCTGCTGCTTC	: 1281

REV LOI

REV 3non



2/7

h5HT4B : VMDKLDANVS8EEGFGSVEKVLLTFLSTVILMAILGNLLVMVAVCWDRQLRKIKITNYFIVSLAFADLLVSVLVMPE : 77

h5HT4B : GAIELVQDIWIYGEVECLVRTSLDVLLTTASIFHLCCISLDRYYAICCOPLVYRNKMTPLRIALMLGGCWVIPTEIS : 154

h5HT4B : FLPIMQGNNIGIIDLERSINQGLGQDEHAIEKRRKFNQNSNSTYCVFMVNKPYAITCSVVAFYIPELLMVLAYRYIY : 231

h5HT4B : VTAKEHAHQIOMLQORAGASSESRPQADQSHTHRMRTETKAAKTLICIIMGCECLCWAPEFVTNIVDPFIDYTVPGQV : 308

h5HT4B : WTAFLWLGYINSGLNPELYAFLNKSERRAFLLIILCCDDERYRRRPSILGQTVPCSTTTINGSTHVLRDAVECGGQWES : 385

h5HT4B : QCHPPATSPVLAAQPSDTAPGTMTOKTAMPKEGQVLSCLL : 426

FIG. 1B

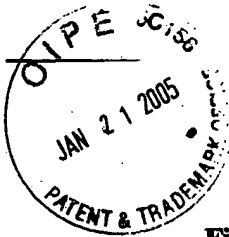
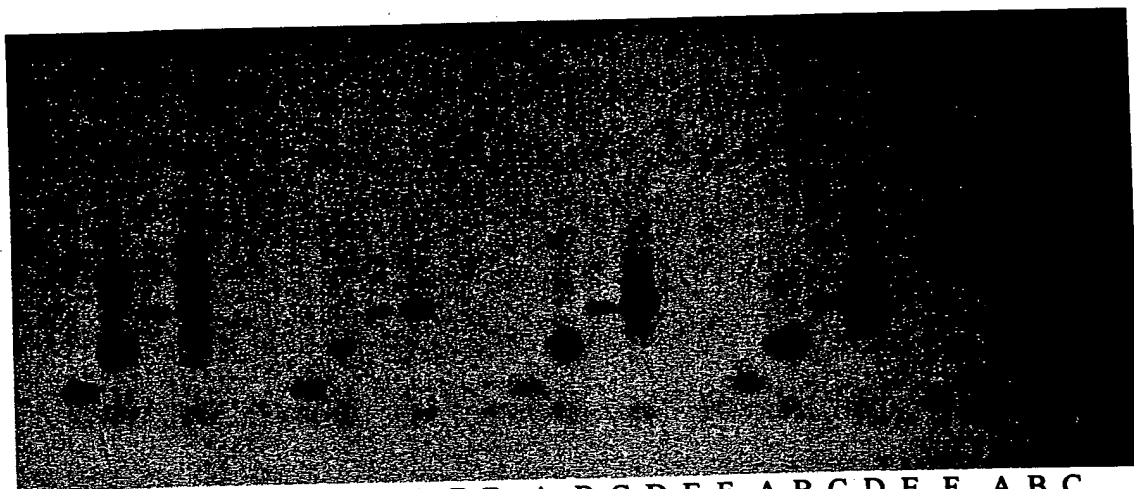
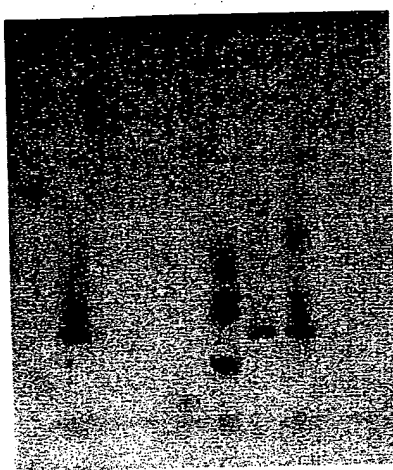


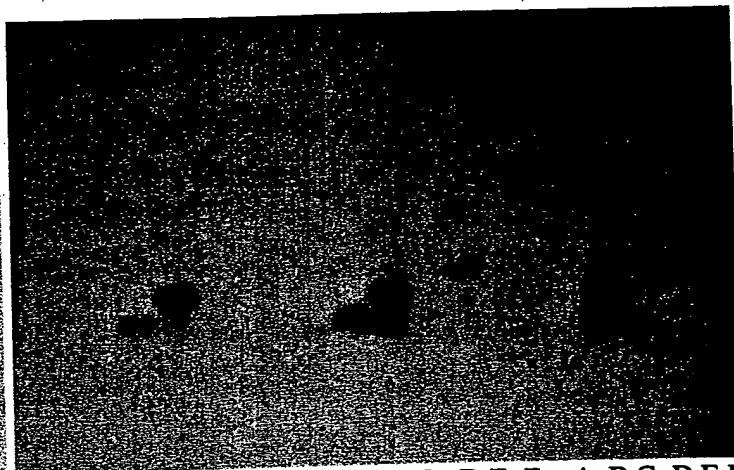
Fig. 2



A B C D E F A B C D E F A B C D E F A B C D E F A B C
stomach esophagus adrenal glands LES small intestine



D E F A B C D E F
small intestine large intestine



A B C D E F A B C D E F A B C D E F
hippocampus cerebellum striatum

BEST AVAILABLE COPY

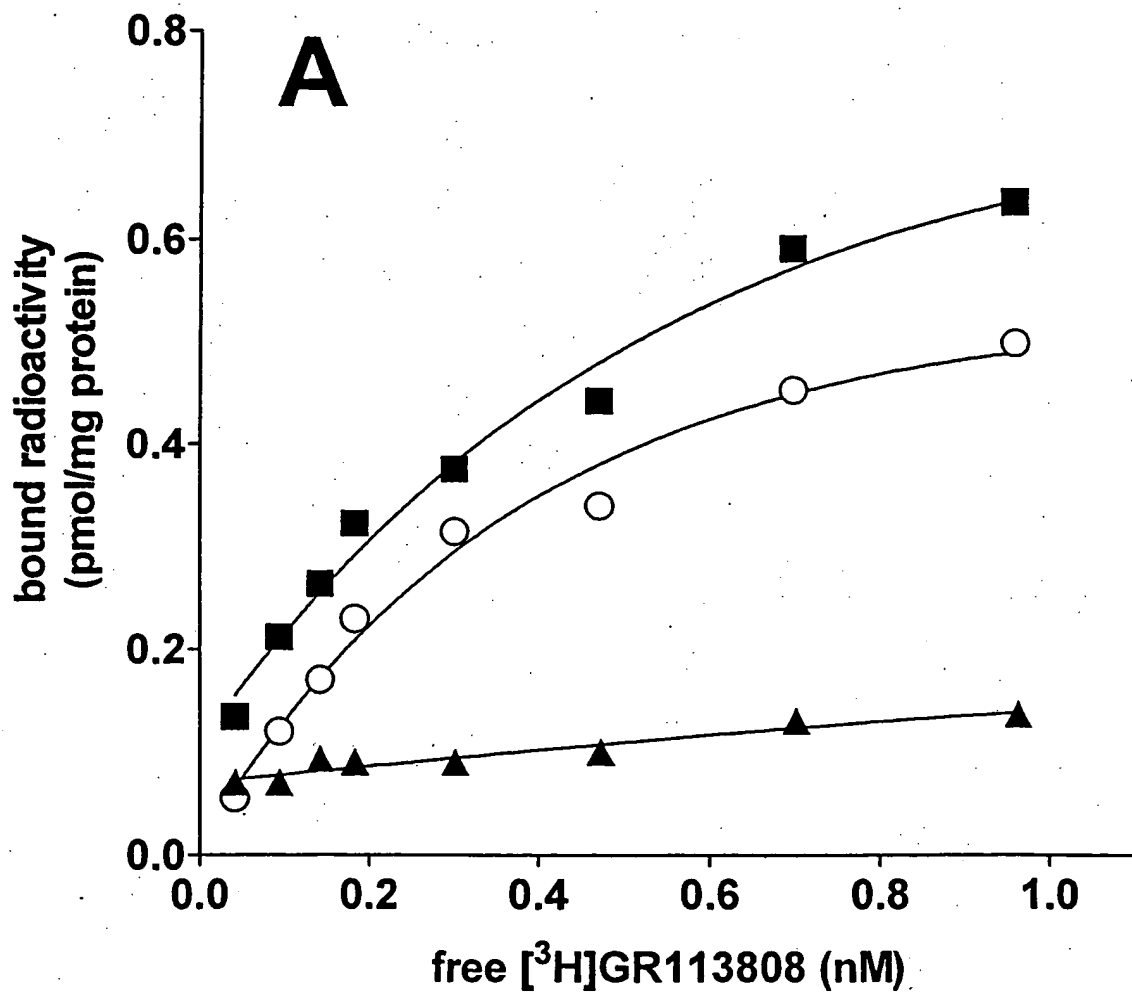


FIG. 3

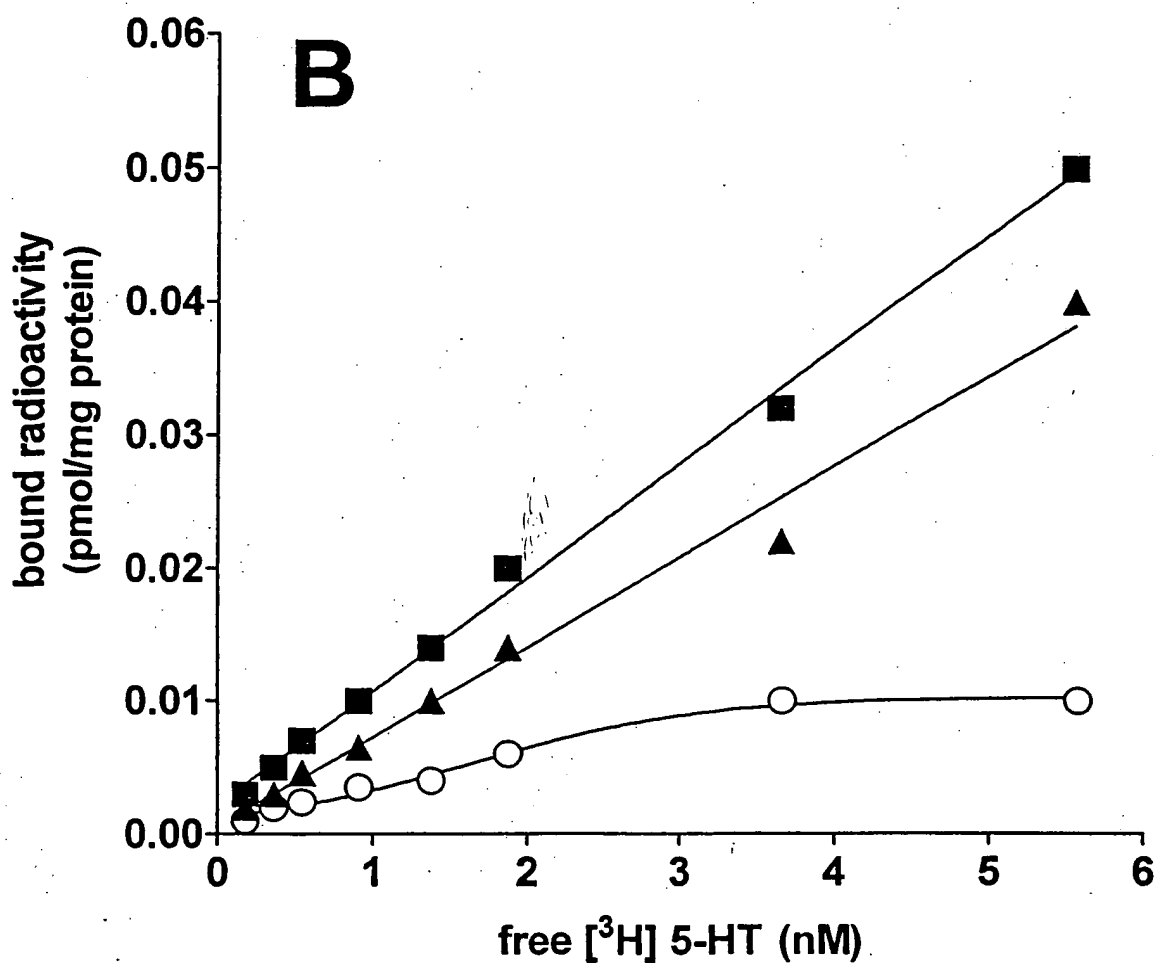


FIG. 4

Stimulation of AC through human 5-HT₄h receptor in COS-7 cells

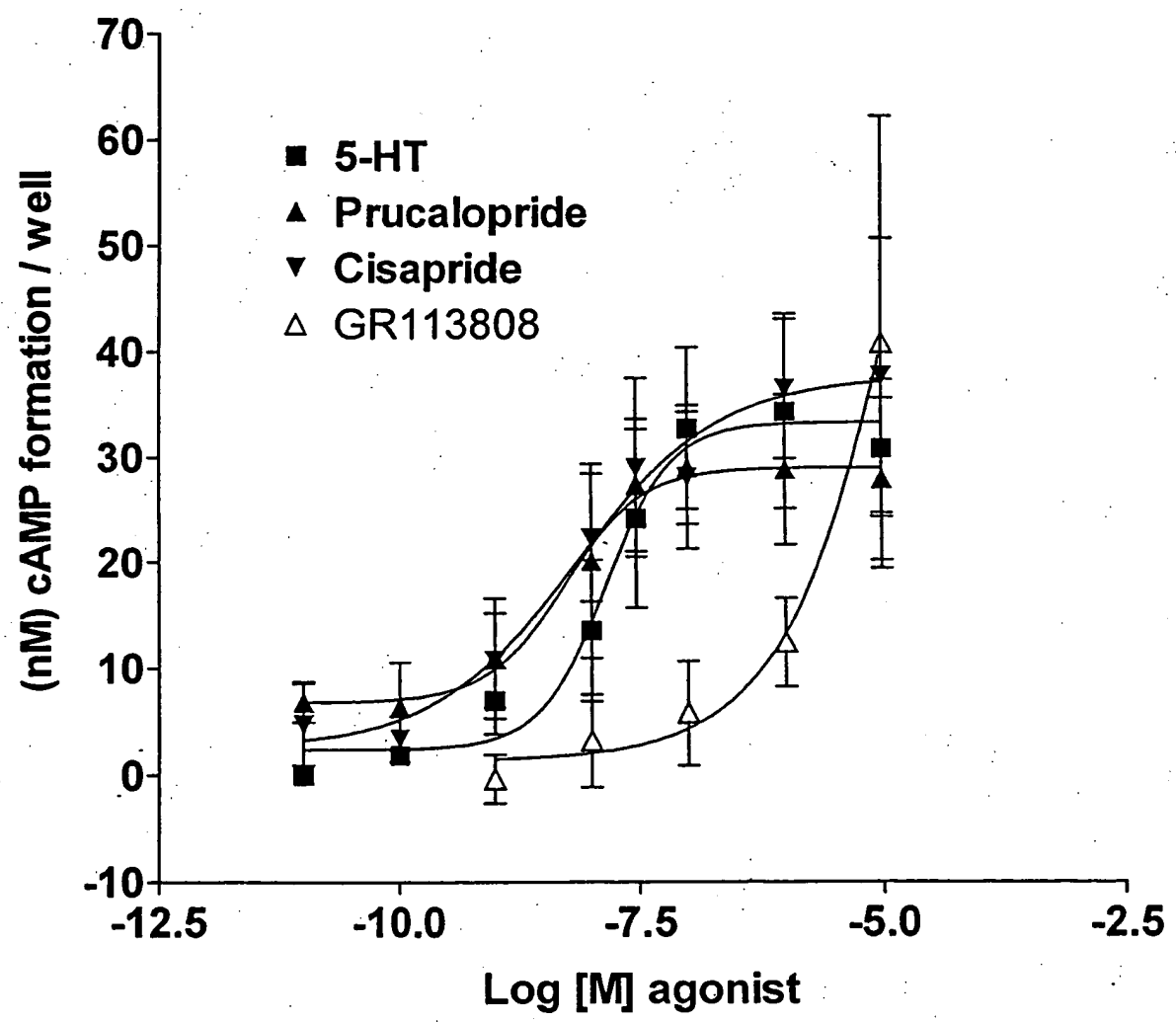


FIG. 5

Binding profile of the human 5-HT_{4(h)} COS-7 cells

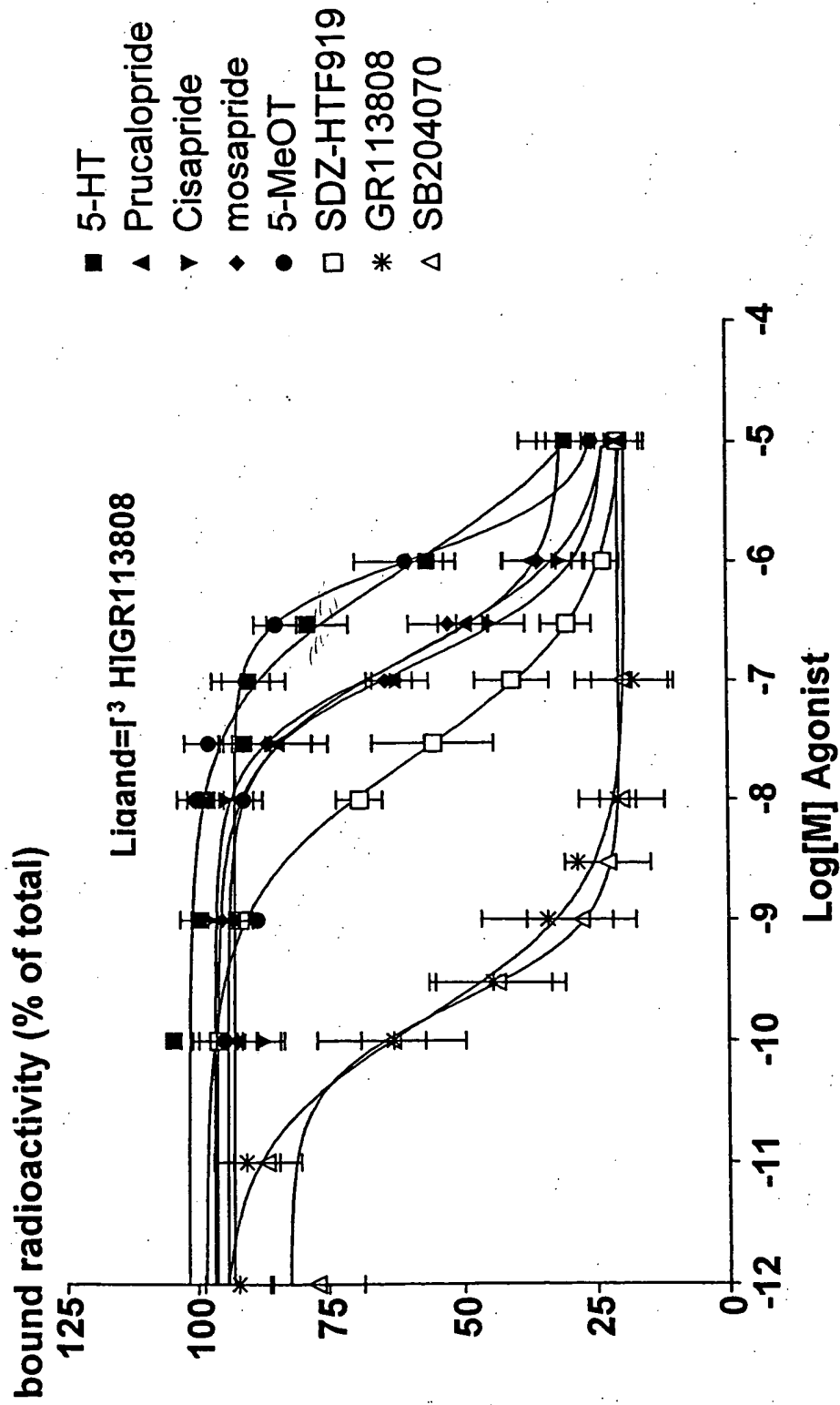


FIG. 6